Prediction of Seasonal to Inter-annual Hydro-climatology Including the Effects of Vegetation Dynamics and Topography over Large River Basins
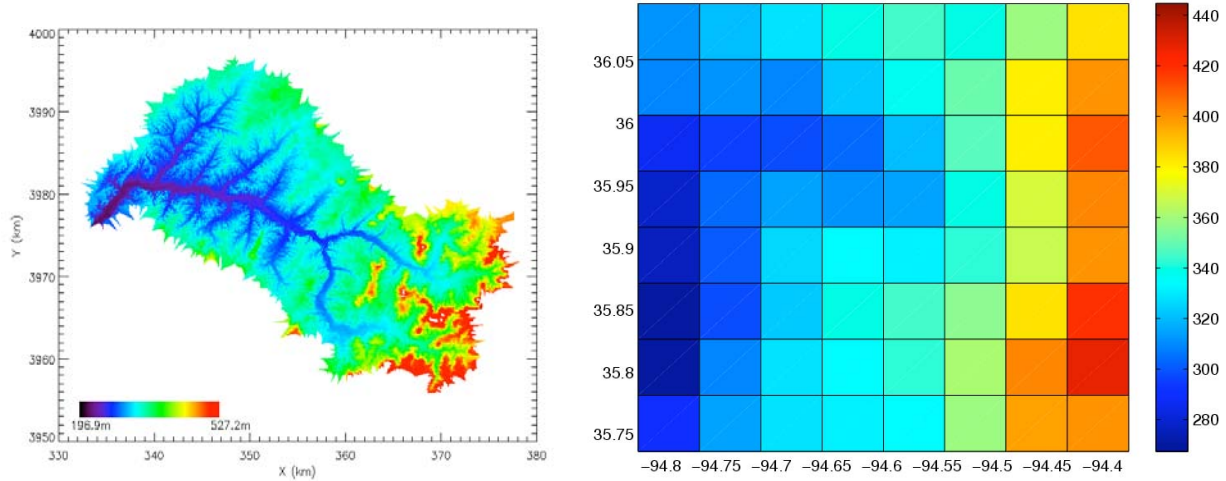
Figures

Fig. 1: (a) Elevation input to tRIBS shaded as a multi-resolution voronoi plot (b) Elevation input to WRF as a 5 km resolution grid.
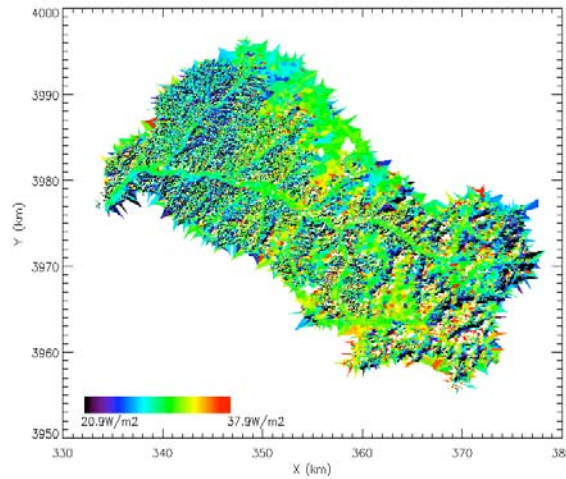

Fig. 2: Voronoi plot of shortwave radiation absorbed by soil (8am on 01/01/2000). tRIBS explicitly takes into account the effect of slope and aspect.
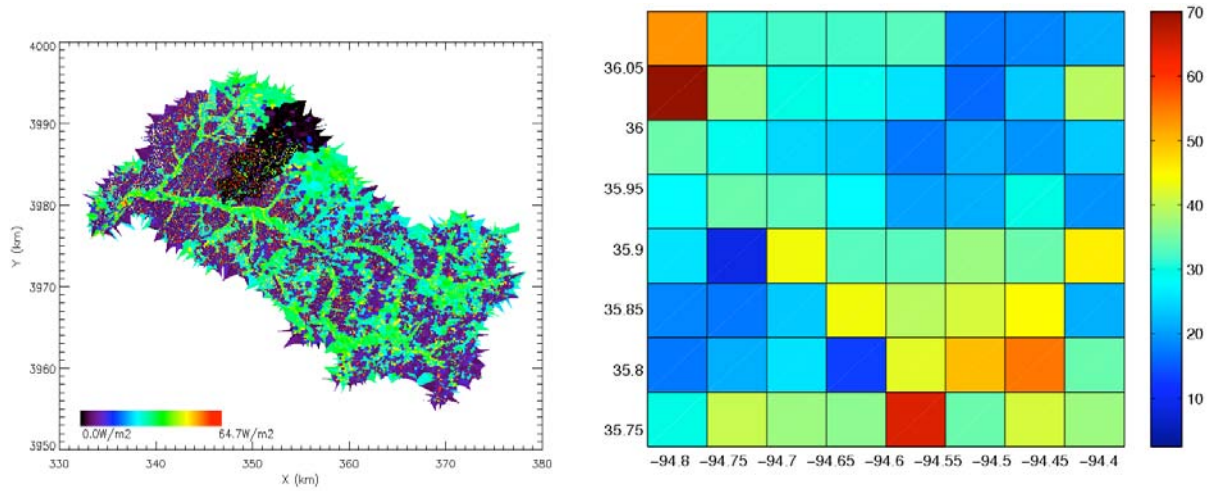
Fig. 3: Latent heat flux (a) voronoi plot for the tRIBS domain (b) upscaled values computed from tRIBS and NOAH (cells outside and partially inside the watershed). Both plots are for 8am local time on 01/01/2000
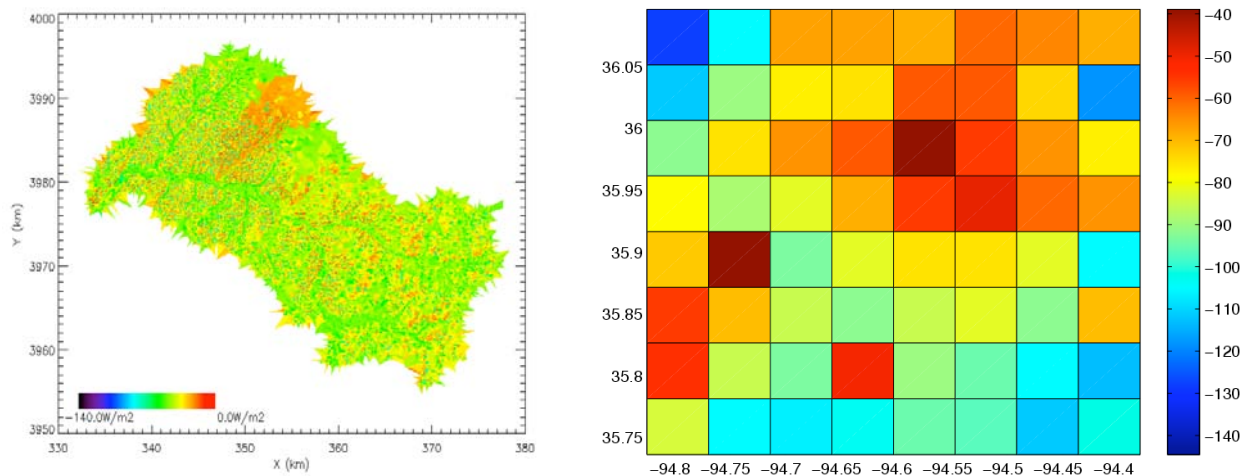

Fig. 4: Sensible heat flux (a) voronoi plot for the tRIBS domain (b) upscaled values passed to WRF. Both plots are for 8am local time on 01/01/2000